



Kentucky Agricultural Statistics Service  
P.O. Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277

# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

**LELAND E. BROWN, Director**

*Released weekly April - November*

Issued 4:00 P.M., June 1, 2004

RPT 10-04

**AGRICULTURAL NEWS:** Heavy thunderstorms on Thursday and Sunday caused rivers and streams to rise, damaging crops in low lying areas. Strong winds, including tornadoes, caused damage to buildings and some fall seeded crops. Rainfall amounts during the week ranged from 2.1 to nearly 7 inches with an average of 3.93 inches statewide, nearly 3 times the normal amount. Much of the moisture was torrential rains with the severe weather on Thursday and Sunday. Storms brought all fieldwork to a halt at the end of the week. Days suitable for fieldwork averaged 2.7 out of a possible seven with most of the work done early in the week. Harvesting hay when possible, planting soybeans and replanting corn were major farm activities this week. **Topsoil moisture** as of Friday, May 28 was rated 1 percent short, 40 percent adequate and 59 percent surplus. **Subsoil moisture** was rated 1 percent short, 60 percent adequate and 39 percent surplus.

**CORN:** Corn planting was nearly complete by Sunday, May 30, with 98 percent in the ground. A year ago, 85 percent had been planted with 91 percent for the average. River bottoms are flooding and fields may need to be replanted, some for the second time. About 93 percent of the planted acreage had emerged, compared with 79 percent a year ago, and the average of 85 percent. Emerged corn was in fair to excellent condition, with 1 percent very poor, 8 percent poor, 28 percent fair, 40 percent good and 23 percent excellent. Height of the most advanced fields averaged 31 inches statewide, while average height of emerged corn was 19 inches.

**SOYBEANS:** As of Sunday, May 30, about 45 percent of the crop had been seeded compared with 21 percent a year ago, and the average of 46 percent. About 36 percent of

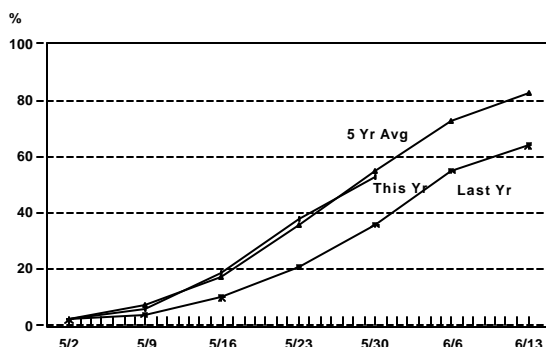
planted acreage had emerged, compared with last years 12 percent and the average of 36 percent. Condition of emerged soybeans was rated 4 percent poor, 30 percent fair, 51 percent good, and 15 percent excellent.

**TOBACCO:** More than half of the intended **burley** acreage had been set by May 30. Producers reported 53 percent of the crop had been transplanted compared with 36 percent a year ago and the average of 55 percent. **Dark tobacco** acreage was 50 percent set, compared with 48 percent last year and the average of 58 percent. Blue mold has become active in central Kentucky, mainly in greenhouses. Condition of set tobacco was reported as 1 percent very poor, 6 percent poor, 25 percent fair, 54 percent good, and 14 percent excellent.

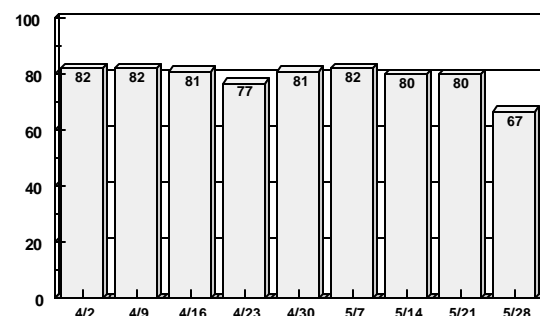
**SMALL GRAINS:** **Barley** harvest was just beginning with 7 percent combined by Sunday, May 30. **Wheat** harvest is expected to begin in southern Kentucky in about two weeks. Wet weather and high wind caused some lodging, along with some concern that head scab may affect yield and test weight. As of Friday, May 28, wheat condition was reported as 7 percent poor, 26 percent fair, 49 percent good and 18 percent excellent.

**OTHER CROPS:** **Hay** harvest has been difficult given the wet conditions but some hay was put up early in the week. Hay crops were rated 2 percent very poor, 7 percent poor, 33 percent fair, 43 percent good, and 15 percent excellent. **Pastures** were in good to excellent condition and were rated 1 percent very poor, 3 percent poor, 16 percent fair, 56 percent good and 24 percent excellent. **Grain sorghum** planting advanced to 75 percent complete during the week ahead of both last year and average.

**BURLEY TOBACCO SET PROGRESS**



**WHEAT CONDITION**  
% Good to Excellent



**KENTUCKY CROP PROGRESS**

WEEK ENDING MAY 30, 2004

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn					
Planted	98	85	91	96	95
Emerged	93	79	85	86	82
Soybeans					
Planted	45	21	46	35	67
Emerged	36	12	36	28	41
Sorghum Planted	75	25	48	40	47
Barley Harvested	7	NA	NA	NA	NA
Burley Tobacco Set	53	36	55	38	NA
Dark Tobacco Set	50	48	58	26	NA

(NA) Data Not Available.

**SOIL MOISTURE**

WEEK ENDING MAY 28, 2004

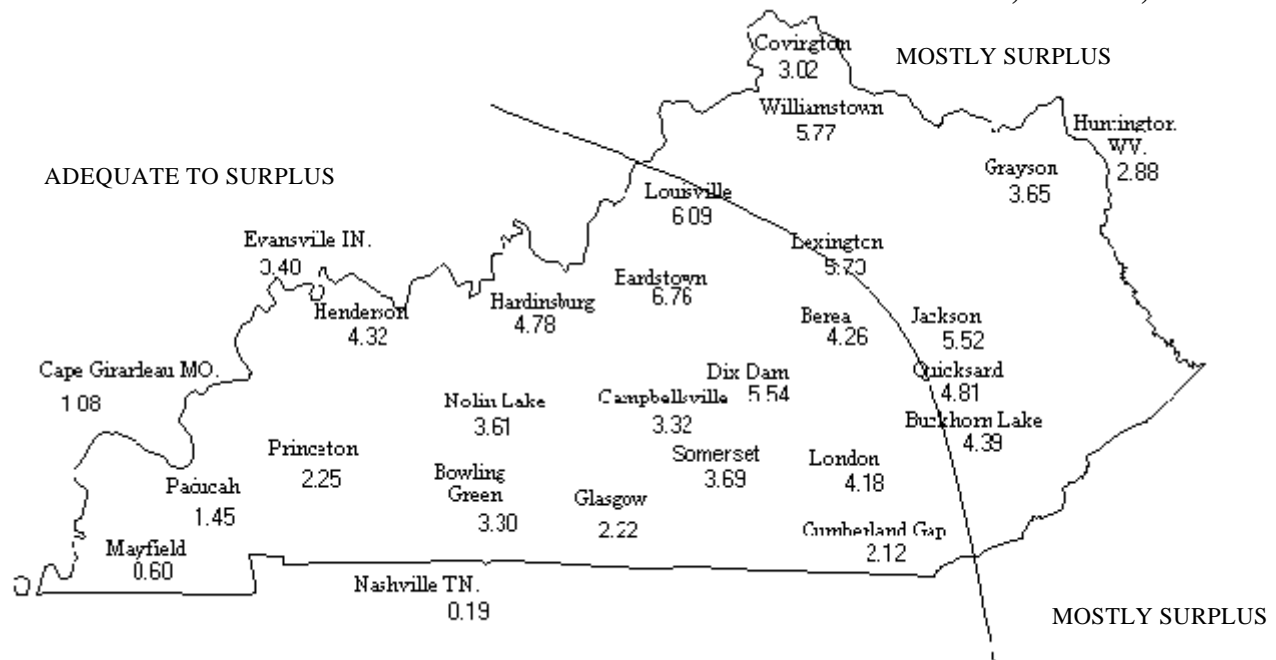
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	0	1
Short	1	7
Adequate	40	72
Surplus	59	20
<b>SUBSOIL</b>		
Very Short	0	2
Short	1	9
Adequate	60	78
Surplus	39	11

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING MAY 28, 2004					WEEK ENDING MAY 21, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn Emerged	1	8	28	40	23	2	5	21	48	24
Soybeans Emerged	0	4	30	51	15	-	-	-	-	-
Wheat	0	7	26	49	18	0	2	18	56	24
Pasture	1	3	16	56	24	1	2	18	55	24
Hay Crops	2	7	33	43	15	1	2	20	55	22
Tobacco Set	1	6	25	54	14	0	2	21	68	9

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 30, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, MAY 28, 2004**



## **KENTUCKY WEATHER SUMMARY, MAY 24 - 30, 2004:**

### **ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:**

Kentucky had a severe weather outbreak several days this week. All week scattered thunderstorms affected Kentucky due to a stationary front draped across the Ohio River Valley. Significant rainfall amounts were measured across the State. The first round of severe weather came Thursday night as the front sagged south across Kentucky. Numerous tornadoes, severe thunderstorms, and the damage caused by them were observed across the State. Skies cleared later on Friday, but flooding and flash flooding were still a problem. After a dry Saturday, a cold front approached from the west early Sunday. Again, tornadoes, severe thunderstorms, high winds, and flooding ravaged Kentucky. Some locales have received as much as 8 inches of rain in just the past week. This week is the 4th consecutive week with temperatures above normal. This week was the wettest week of the year (so far), with the state averaging 2.87 inches of rain above normal.

Temperatures for the period averaged 73 degrees across the State which was 3 degrees above normal and 2 degrees cooler than the previous week. High temperatures averaged from 83 in the West to 80 in the East. Departure from normal high temperatures ranged from 0 degrees from normal in the West to 1 degree above normal in the East. Low temperatures averaged from 66 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 5 degrees above normal in the East. Extreme highs were in the upper 80's. Extreme lows were in the middle 50's.

Rainfall for the period totaled 3.93 inches statewide which was 2.87 inches above normal. Precipitation totals by climate division, West 2.20 inches, Central 4.46 inches, Bluegrass 5.18 inches and East 3.90 inches, which was 1.09, 3.35, 4.15 and 2.90 inches respectively above normal. By station, precipitation totals ranged from a low of 2.12 inches at Cumberland Gap to a high of 6.76 inches at Bardstown.

Tom Priddy

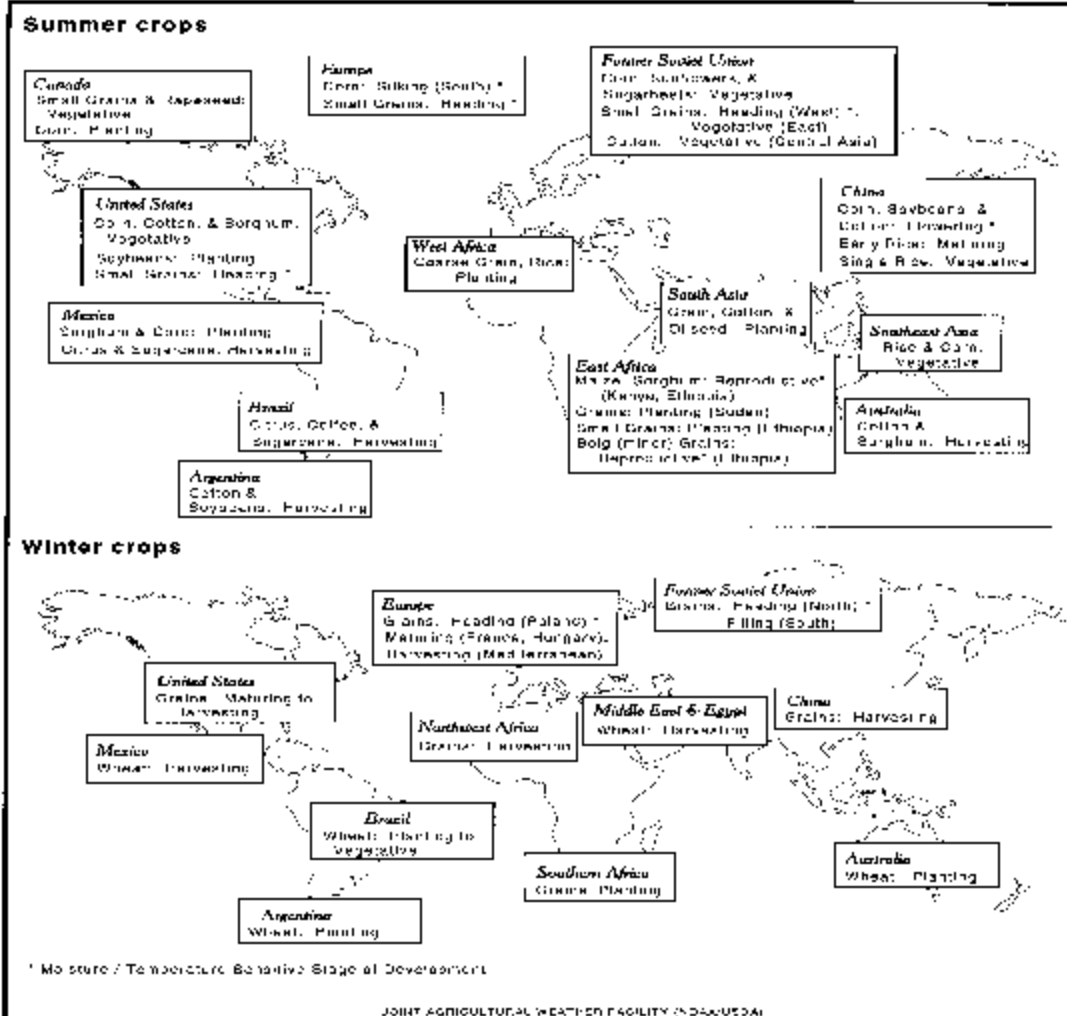
### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, MAY 30, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	6.76	15.50	10.05	+7.29	+6.01	85	59	72.6	+3	156	889	+139
Berea	4.26	11.46	5.31	+2.55	+0.97	85	58	72.9	+4	159	951	+171
Bowling Green	3.30	13.16	6.48	+4.06	+2.02	88	62	75.4	+6	174	948	+168
Bristol	1.78	7.45	2.22	+0.38	-1.30	87	59	72.3	+4	154	836	+146
Buckhorn Lake	4.39	12.76	7.59	+5.03	+3.88	83	58	71.1	+2	147	855	+165
Cape Girardeau	1.08	7.40	3.31	-2.05	-1.38	86	62	75.1	+3	174	917	+107
Campbellsville	3.32	11.98	5.73	+2.22	+1.04	86	61	74.4	+5	169	943	+163
Covington	3.02	10.68	5.13	+2.79	+1.26	83	56	69.7	+1	136	764	+104
Cumberland Gap	2.12	9.68	3.87	+0.95	-0.47	86	60	73.4	+5	161	867	+177
Dix Dam	5.54	12.96	7.67	+4.15	+3.39	84	58	72.0	+3	152	894	+144
Evansville	3.48	9.28	6.66	+0.66	+2.37	86	60	73.5	+2	164	937	+187
Glasgow	2.22	13.52	5.41	+4.07	+0.84	88	63	75.7	+6	175	1022	+302
Grayson	3.65	10.04	4.95	+2.29	+1.10	85	56	70.8	+2	144	875	+245
Hardinsburg	4.78	14.89	8.38	+5.87	+3.98	85	59	73.2	+3	161	918	+138
Henderson	4.32	11.97	8.51	+3.31	+4.40	85	60	72.8	+1	157	933	+153
Huntington	2.88	8.99	3.79	+1.27	-0.06	86	56	71.0	+2	146	883	+193
Jackson	5.52	12.25	7.88	+3.81	+3.83	82	57	69.9	+1	138	864	+174
Lexington	5.73	13.12	8.00	+4.91	+3.96	83	56	71.0	+2	145	827	+167
London	4.18	11.69	6.87	+3.65	+3.02	85	60	72.4	+4	155	854	+164
Louisville	6.09	15.05	8.69	+6.35	+4.52	85	57	72.3	+3	155	901	+151
Mayfield	0.60	6.85	2.43	-3.05	-2.10	85	59	73.0	+1	159	892	+52
Nashville	0.19	12.20	3.83	+3.11	-0.58	88	64	77.3	+8	189	1004	+164
Nolin Lake	3.61	13.84	6.85	+4.01	+1.90	87	61	74.6	+5	170	950	+200
Paducah	1.45	7.79	3.37	-2.00	-1.09	87	63	76.4	+5	183	989	+179
Princeton	2.25	10.35	4.51	+0.75	+0.03	89	64	76.3	+5	182	1007	+197
Quicksand	4.81	13.75	8.51	+5.31	+4.46	83	57	70.6	+2	143	865	+175
Somerset	3.69	9.91	5.34	+0.65	+0.76	86	61	73.4	+5	162	859	+109
Spindletop	6.73	12.57	8.17	+4.36	+4.13	83	54	69.2	+0	133	807	+147
Williamstown	5.77	11.77	6.90	+3.35	+2.92	84	61	71.5	+3	149	857	+197

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## June normal crop calendar



This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.